

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/C-Agg/98-11/2019-20

Date 05.03.2020

TEST REPORT ON COARSE AGGREGATE

Name of Client	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Adithya Nagar, Chandrappa Layout And Surroundings, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20
Job Code No	003-02-000067
Client's letter dated	03.03.2020
Source of Sample	Supplied by the Client
No. of Sample*	Coarse Aggregate - 20mm
Date of Testing	04.03.2020
Technical Reference	IS: 2386 (Part I) - 1963 IS: 383 - 2016

Gradation of 20mm Aggregate

Gradation of 20mm Aggregate			5000		IS : 2386(Part-I) RA 2016		Remarks
20mm	Weight of Sample in gm						Sample conforms to IS: Stipulation for Single size Aggregate of size 20mm.
Sieve No	Wt of soil	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	
20	480	9.60	9.60	90.40	85-100	90 to 100	
10	4475	89.50	99.10	0.90	0 to 20	25 to 55	
4.75	20	0.40	99.50	0.50	0 to 5	0 to 10	

* As furnished by the Client.

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked By
Nagaraj.K.S

Approved By
Narayanswamy.B

AG
ಸಹಾಯಕ ಅಧ್ಯಕ್ಷರ ಅಧೀನದಲ್ಲಿ
ಯಶಸ್ವಿ ಸಂಸ್ಥೆ ಸಂಸ್ಥೆ
ಬಿ.ಬಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-106

- Note: 1) This report is not to be reproduced except in full without our prior permission in writing
2) The results listed refer only to the tested samples and applicable parameters
3) Any Correction in this report will this report Invalid

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1Z1 PAN No: AACCK4994Q

Report No: KMT/H/ C-Agg/99-11/2019-20

Date 05.03.2020

TEST REPORT ON COARSE AGGREGATE

Name of Client	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64
Name of Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Adithya Nagar, Chandrappa Layout And Surroundings, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20
Job Code No	003-02-000067
Client's letter dated	03.03.2020
Source of Sample	Supplied by the Client
No. of Sample*	Coarse Aggregate - 20mm
Date of Testing	04.03.2020
Technical Reference	IS: 2386 (Part I)- 1963 IS: 383 - 2016

Gradation of 40mm Aggregate

Gradation of 40mm Aggregate							
40mm	Weight of Sample in gm		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of soil	% targe retained	Cumulative % retained	% targe finer	Single Size	Graded Size	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
63	0	0.00	0.00	100	100	100	
40	586	11.72	11.72	88.28	85-100	90 to 100	
20	3682	73.64	85.36	14.64	0 to 20	30 to 70	
10	324	6.48	91.84	8.16	0 to 5	10 to 25	
4.75	6.8	0.14	91.98	8.02	-	0 to 5	

* As furnished by the Client.

For Karnataka Material Test House Pvt Ltd.,

Prepared & checked By
Nagaraj.K.S

End of Report

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ
ಯಲಹಂಕರ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Approved By
Narayanswamy.B

Note: 1) This report is not to be reproduced except in full without our prior permission in writing
2) The results listed refer only to the tested samples and applicable parameters.
3) Any Correction in this report will this report Invalid

Page 1 of 1

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Mobile: 94485 15258 E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/M-Sand/98-11/2019-20

Date

05.03.2020

TEST REPORT ON FINE AGGREGATES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Adithya Nagar, Chandrappa Layout And Surroundings, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20
Job Code No	003-02-000067
Client's letter dated	03.03.2020
Source of Sample	Supplied by the Client
No. of Sample*	Fine Aggregate- M-Sand
Date of Testing	04.03.2020
Technical Reference	IS: 2386 (Part I)- 1963, IS: 383 - 2016

Gradation of Fine Aggregate-M-Sand

Gradation of Fine Aggregate-M-Sand									
Sieve No	Wt of soil	% tage retained	Cumulative % retained		Percentage passing for				Remarks
				% tage finer	Zone I	Zone II	Zone III	Zone IV	
10	0	0	0	100	100	100	100	100	Falls in Zone - 1 as per Table 4 of IS-383 – 2016
4.75	0	0.00	0.00	100.00	90 – 100	90 – 100	90 – 100	90-100	
2.36	146.2	14.62	14.62	85.38	60 – 95	75 – 100	85 – 100	95-100	
1.18	312.6	31.26	45.88	54.12	30 – 70	55 – 90	75 – 100	90-100	
0.6	248.4	24.84	70.72	29.28	15 – 34	35 – 59	60 – 79	80-100	
0.3	206.8	20.68	91.40	8.60	5 – 20	8 – 30	12 – 40	15-50	
0.15	69	2.90	94.30	5.70	0 – 10	0 – 10	0 – 10	0-15	
Silt content				5.70	Shall not be more than 15%				Passes the requirements

* As furnished by the Client.

Note: The above Sample satisfies the requirement of Zone - 1 as per Table 4 of IS-383 - 2016

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked By
Narayanswamy B

Approved By
Narayanswamy B

End of Report

- This report is not to be reproduced except in full without our prior permission in writing.
- 1) The results listed refer only to the tested samples and applicable parameters.
 - 2) Any Correction in this report will this report Invalid

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/Cement/98-12/2019-20

Date 18.03.2020

PHYSICAL TEST REPORT ON CEMENT

Name of Client	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Adithya Nagar, Chandrappa Layout And Surroundings, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20
Job Code No	003-20-000067
Letter dated	16.03.2020
Sample Received on	Supplied by the Client
Source of Sample	Supplied by the Client
Date of Testing	17.03.2020
Type of cement & Brand of Cement*	OPC Cement - ACC-43 Grade
Technical Reference	IS: 403(Part I-VI) 1988 (Reaffirmed-2000) & IS: 8112-1989

Physical Properties

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	23.4	Not specified	-
2	Initial setting time in minutes	198	Shall not be less than 30 minutes	P
3	Final setting time in minutes	298	Shall not be more than 600 minutes	P

P : Passes IS requirement

TTC : Test to be conducted

*As Furnished by the client
F: Fails IS requirements

For Karnataka Material Test House Pvt. Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

Note: 1) This report is not to be reproduced or used in full without our prior permission in writing.
2) The results listed are only for the tested samples and applicable parameters.
3) Any Correction in this report will make this report invalid.

Off & Lab : No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094

Mobile: 94485 15258 E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/Cement/115-01/2019-20 Date 18.03.2020

PHYSICAL TEST REPORT ON CEMENT

Name of Client	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Adithya Nagar, Chandruppa Layout And Surroundings, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK D/W.O/230/2019-20
Job Code No	003-20-000067
Letter dated	16.03.2020
Source of Sample	Supplied by the Client
Date of Testing	17.03.2020
Type of cement & Brand of Cement*	OPC Cement - RAMCO-43 Grade
Technical Reference	IS: 403(Part I-VI) 1988 (Reaffirmed-2000) & IS: 8112-1989

Physical Properties

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	23.7	Not specified	-
2	Initial setting time in minutes	195	Shall not be less than 30 minutes	P
3	Final setting time in minutes	301	Shall not be more than 600 minutes	P

*As Furnished by the client
F: Fails IS requirements

P : Passes IS requirement
TTC : Test to be conducted

For Karnataka Material Test House Pvt. Ltd.,

Prepared & checked by
Nagaraj K S

Approved by
Narayanswamy B

- Note:
- 1) This report is not to be reproduced except in full without our prior permission in writing.
 - 2) The results listed refer only to the tested samples and applicable parameters.
 - 3) Any Correction in this report will make this report invalid.

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMT/H/Cubes-101/2019-20

Date of Issue

02.06.2020

TEST RESULTS ON CONCRETE CUBES

Name of Client and Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of the Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhivrudivi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Adithya Nagar, Chandrappa Layout And Surroundings Areas in ward No.03, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20
Job Code No	003-20-000067
Letter Dated	01.01.2020
Sample Received	01.06.2020
Source of Sample	Supplied by the Client
Dimension of Specimens	152.86mm X 151.42mm X 151.63mm 150.34mm X 151.85mm X 151.48mm 151.22mm X 151.44mm X 150.80mm
Grade of Concrete *	M-20
Chainage in Meters	C h. 0.0 to 30.0 - 1 st Cross

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete cube specimens, supplied by the client and the results are tabulated here below:

Sl. No	Cubes pertaining to the concrete cast at* (Details of structural member identification)	Date of casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm ²)	Weight of Specimen (gm)	Load in KN	Compressive Strength In N/mm ² *
1	Raft	04.05.2020	01.06.2020	28 Days	22959.81	8138	525.76	22.90
2	Concrete	04.05.2020	01.06.2020		23002.23	8210	540.54	23.50
3	(Drains)	04.05.2020	01.06.2020		22837.15	8152	545.34	23.88

1 N/Sq.mm = 10Kg/Sq.cm. (Approx.).

*As Furnished by the client

**Based on the data furnished by the client

Note: A minimum of three cube specimens shall be supplied for testing as per IS: 516-1959.

For Karnataka Material Test House Pvt. Ltd

Prepared & Checked by
Naraj K.S

End of report.....

Approved by
Naravansh B

- This report is not to be reproduced except in full without our prior permission in writing.
- The results listed refer only to the tested samples and applicable parameters.
 - Any Correction in the report will make the report invalid

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094

Ph: 080-2341 8668, 23511213 Mobile: 94485 15258 E-mail: kmthblr@gmail.com www.karnakamaterialtesthouse.com

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1Z1 PAN No: AACCK4994Q

Report No: KMTH/Cubes-103/2019-20	Date of issue	04.06.2020
-----------------------------------	---------------	------------

TEST RESULTS ON CONCRETE CUBES

Name of Client and Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of the Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Adithya Nagar, Chandrappa Layout And Surroundings Areas in ward No.03, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20
Job Code No	003-20-000067
Sample Received	02.06.2020
Source of Sample	Supplied by the Client
Dimension of Specimens	149.23mm X 153.41mm X 151.95mm 153.02mm X 156.48mm X 153.61mm 156.01mm X 154.54mm X 153.46mm
Grade of Concrete *	M-20
Chainage in Meters	Ch: 0.0 to 30.0 - 1 st Cross

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete cube specimens, supplied by the client and the results are tabulated here below:

Sl. No	Cubes pertaining to the concrete cast at* (Details of structural member identification)	Date of casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm ²)	Weight of Specimen (gm)	Load in KN	Compressive Strength In N/mm ² *
1	Drainage Side Wall Concrete	06.05.2020	03.06.2020	28 Days	23310.64	8220	550.13	23.60
2		06.05.2020	03.06.2020		24036.89	8308	537.46	22.36
3		06.05.2020	03.06.2020		23715.70	8086	556.82	23.48

*As Furnished by the client

1 N/Sq.mm = 10Kg/Sq.cm. (Approx.).

**Based on the data furnished by the client

Note: A minimum of three cube specimens shall be supplied for testing as per IS: 516-1959.

For Karnataka Material Test House Pvt. Ltd

Prepared & Checked by

End of report

Approved By
Narayana Ram B

- 1) This report is not to be reproduced except in full without our prior permission in writing
- 2) The results listed refer only to the tested samples and applicable parameters
- 3) Any Correction in the report will make the report invalid

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/Cubes-/2019-20 Date of issue 02.06.2020

TEST RESULTS ON CONCRETE CUBES

Name of Client and Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of the Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Adithya Nagar, Chandrappa Layout And Surroundings Areas in ward No.03, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20
Job Code No	003-20-000067
Letter Dated	18.03.2020
Source of Sample	Supplied by the Client
Dimension of Specimens	150.00mm x 151.00mm x 150.00mm 150.00mm x 151.50mm x 150.00mm 150.20mm x 150.00mm x 150.00mm
Grade of Concrete *	M-10
Chainage in Meters	Ch.0.00 - 30.0 1 st Cross

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete cube specimens, supplied by the client and the results are tabulated here below:

Sl. No	Cubes pertaining to the concrete cast at* (Details of structural member identification)	Date of casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm ²)	Weight of Specimen (gm)	Load in KN	Compressive Strength In N/mm ² *
1	PCC	04.05.2020	01.06.2020	28	22500	8100	342.90	15.24
2	Concrete	04.05.2020	01.06.2020	Days	22650	8213	322.9	14.26
3	(Drains)	04.05.2020	01.06.2020		22500	8150	354.15	15.74

*As Furnished by the client

1 N/Sq.mm = 10Kg/Sq.cm. (Approx.).

**Based on the data furnished by the client

Note: A minimum of three cube specimens shall be supplied for testing as per IS: 516-1959.

For Karnataka Material Test House Pvt. Ltd

Prepared & Checked by
Nagendra K.S

End of report.....



- Note: 1) This report is not to be reproduced except in full without our prior permission in writing
2) The results listed refer only to the tested samples and applicable parameters
3) Any Correction in the report will make the report invalid

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMT/Slabs/125/2019-20

TEST RESULTS ON 100MM THICK CEMENT CONCRETE SLABS SAMPLES		Date of Issue	08.06.2020
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of the Project*	Construction of RCC Drain & Culverts at Adithya Nagar, Chandrappa Layout And Surroundings, Yelahanka Satellite Town Sub Division.		
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20		
Job Code No	003-20-000067		
Sample Received on	03.06.2020		
Source of Sample	Supplied by the Client		
Number of Specimens*	3 No's Cement Concrete Slabs		
Size & Shape of Sample	slab Length -920mm, Height-100mm,Width600mm		
Date of Testing	04.06.2020-07.06.2020		
Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:			

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F. H/D x 0.11 + 0.78	C.C.F N/Sq mm	E.C.S.C N/Sq mm	Avg. N/Sq mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
1	S-01	95.00	190.00	2.00	7085	135.2	19.08	1.00	19.08	23.85	23.00	2.7860	0.00135	2069.72
2	S-02	95.00	188.00	1.98	7085	125.8	17.76	1.00	17.72	22.14		2.8120	0.00133	2111.25
3	S-03	95.01	191.00	2.01	7086	130.2	18.37	1.00	18.39	22.99		2.6480	0.00135	1956.48

*As furnished by the Client

Remarks:

For Karnataka Material Test House Pvt. Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

End of Report

- Note: 1) This report is not to be reproduced except in full without our prior permission in writing
2) The results listed refer only to the tested samples and applicable parameters.
3) Any Correction in this report will this report Invalid